

**Completion Criteria**  
**PBI-3 Single-Shell Tank (SST) Retrieval**

1. Complete Waste Retrievals from the following SSTs that are in progress:

a. Complete waste retrieval of C-204.

- Work scope/completion criteria: "Complete waste retrieval" shall mean completion to the goals of the HFFACO for residuals and submittal of the Retrieval Data Report in accordance with Appendix I or the appropriate Appendix H documentation.
- Completion document: Submit the Retrieval Data Report for 241-C-204 documenting the completion of retrieval operations. With ORP concurrence, an Appendix H exception request may be issued in lieu of a Retrieval Data Report in accordance with HFFACO Appendix I. If the limits of waste retrieval technology capability is reached; the volume goal have not been achieved; and it is determine, with ORP concurrence, that the Appendix H documentation is not appropriate, the submittal of the Retrieval Report shall be the completion criteria of "complete waste retrieval".

b. Complete waste retrieval of C-103.

- Work scope/completion criteria: "Complete waste retrieval" shall mean completion to the goals of the HFFACO for residuals and submittal of the Retrieval Data Report in accordance with Appendix I or the appropriate Appendix H documentation. If the limits of waste retrieval technology capability is reached; the volume goal have not been achieved; and it is determine, with ORP concurrence, that the Appendix H documentation is not appropriate, the submittal of the Retrieval Report shall be the completion criteria of "complete waste retrieval".
- Completion document: The 241-C-103 Retrieval Data Report, Appendix H exception, or Retrieval Report as identified in the completion criteria.

c. Complete waste retrieval of S-102. The tank contains approximately 211,000 gallons of the initial 465,000 gallons of a mixture of Salt and Sludge materials. New retrieval technology/technique for use in this SST as needed to complete the retrieval. New technology/technique will be developed, implemented into the appropriate regulatory documentations, constructed, and retrieval completed.

Milestones
<p>1. Completion of Construction and construction acceptance testing of a new retrieval technology or technique consistent with an approved Functions and Requirements or equivalent document.</p> <ul style="list-style-type: none"><li>• Work scope/completion criteria: Complete waste retrieval system construction and turnover to operations. Operations related OTP will be completed and OTRs will be approved by the Contractor. The Construction Completion Documents, Section IIb, "Completion of Exceptions," will be completed and approved by the Contractor, including Operations. References: 1) S-102 Initial Waste Retrieval Functions and Requirements 2) Construction Completion and Turnover, TFC-PRJ-CM-C-08, Rev B, issued May 8, 2006.</li></ul>

<ul style="list-style-type: none"> <li>Completion Document: Contractor approved, including Operations, Construction Completion Document through Section IIb, "Completion of Exceptions" for the above listed work.</li> </ul>
<p>2. Retrieval of 65% of the waste by volume.</p> <ul style="list-style-type: none"> <li>Work scope/completion criteria: Perform waste retrieval activities to meet and/or exceed performance requirements in the HFFACO M-45-00 series milestones and the Tank Waste Retrieval Work Plan. The retrieval of 65% of initial SST waste by volume shall be based on an initial volume determine from the latest BBI information or a pre-retrieval volume determination if completed. The retrieved volume will be an estimate based on material balance calculations.</li> <li>Completion document: The submittal of material balance data and engineering calculations summary information demonstrating retrieval of 65% of the initial waste volume.</li> </ul>
<p>3. Retrieval of 80% of the waste by volume.</p> <ul style="list-style-type: none"> <li>Work scope/completion criteria: Perform waste retrieval activities to meet and/or exceed performance requirements in the HFFACO M-45-00 series milestones and the Tank Waste Retrieval Work Plan. The retrieval of 80% of initial SST waste by volume shall be based on an initial volume determine from the latest BBI information or a pre-retrieval volume determination if completed. The retrieved volume will be an estimate based on material balance calculations.</li> <li>Completion document: The submittal of material balance data and engineering calculations summary information demonstrating retrieval of 80% of the initial waste volume.</li> </ul>
<p>4. Completion of retrieval operations.</p> <ul style="list-style-type: none"> <li>Work scope/completion criteria: Complete waste retrieval to meet and/or exceed performance requirements in the HFFACO M-45-00 series milestones for residues. If the limit of the waste retrieval technology is reached and the M-45-00 residual volume goal has not been achieved, then implementation of additional retrieval technologies <u>is within the scope</u>.</li> <li>Completion document: Retrieval Report documenting the completion of retrieval operations.</li> </ul>
<p>5. Complete Retrieval Data Report.</p> <ul style="list-style-type: none"> <li>Work scope/completion criteria: The limit of the waste retrieval technology is reached and the M-45-00 residual volume goal has been achieved. Perform residual characterization and volumetric measurements and prepare a Retrieval Date Report in accordance with HFFACO, Appendix I.</li> <li>Completion document: Retrieval Data Report in accordance with HFFACO, Appendix I.</li> </ul> <p>(Note: With ORP concurrence, an Appendix H exception may be issued in lieu of a Retrieval Data Report. In this case, fee allowed for the Retrieval Data Report would be provided for the Appendix H exception. This incentive is forfeited if the volume goal is not achieved and ORP does not concur with proceeding with an Appendix H exception.)</p>

Completion of retrieval operations on or before March 31, 2007 (HFFACO milestone M-45-05A).

- Work scope/completion criteria: Complete waste retrieval on or before March 31, 2007 to meet and/or exceed performance requirements in the HFFACO M-45-00 series milestones for residues and demonstration of the limit of the waste retrieval technology. If the limit of the waste retrieval technology is reached and the M-45-00 residual volume goal has not been achieved, then implementation of additional retrieval technologies is within the scope.
  - Completion document: Retrieval Report documenting the completion of retrieval operations.
- d. Complete waste retrieval of S-112. The tank contains approximately 5,000 gallons of the initial 655,000 gallons of a mixture of Salt and Sludge materials. New retrieval technology/technique for use in this SST are needed to complete the retrieval. New technology/technique will be developed, implemented into the appropriate regulatory documentations, constructed, and retrieval completed.

Milestones
<p>1. Completion of retrieval operations.</p> <ul style="list-style-type: none"><li>• Work scope/completion criteria: Complete waste retrieval to meet and/or exceed performance requirements in the HFFACO M-45-00 series milestones for residues. If the limit of the waste retrieval technology is reached and the M-45-00 residual volume goal has not been achieved, then implementation of additional retrieval technologies <u>is within the scope</u>.</li><li>• Completion document: Retrieval Report documenting the completion of retrieval operations.</li></ul>
<p>2. Complete Retrieval Data Report.</p> <ul style="list-style-type: none"><li>• Work scope/completion criteria: The limit of the waste retrieval technology is reached and the M-45-00 residual volume goal has been achieved. Perform residual characterization and volumetric measurements and prepare a Retrieval Data Report in accordance with HFFACO, Appendix I.</li><li>• Completion document: Retrieval Data Report in accordance with HFFACO, Appendix I.</li></ul> <p>(Note: With ORP concurrence, an Appendix H exception may be issued in lieu of a Retrieval Data Report. In this case, fee allowed for the Retrieval Data Report would be provided for the Appendix H exception. This incentive is forfeited if the volume goal is not achieved and ORP does not concur with proceeding with an Appendix H exception.)</p>

2. Complete Waste Retrievals from additional SSTs

Milestones
<p>1. Completion of Construction and construction acceptance testing of the waste retrieval system approved Tank Waste Retrieval Work Plan.</p> <ul style="list-style-type: none"><li>• Work scope/completion criteria: Complete waste retrieval system construction and turnover to operations. Operations related OTP will be completed and OTRs will be approved by the Contractor. The Construction Completion Documents, Section IIb, "Completion of Exceptions," will be completed and approved by the Contractor,</li></ul>

<p>including Operations. References: 1) Tank Waste Retrieval Work Plan 2) Construction Completion and Turnover, TFC-PRJ-CM-C-08, Rev B, issued May 8, 2006.</p> <ul style="list-style-type: none"> <li>Completion Document: Contractor approved, including Operations, Construction Completion Document through Section IIb, "Completion of Exceptions" for the above listed work.</li> </ul>
<p>2. Retrieval of 25% of the waste by volume.</p> <ul style="list-style-type: none"> <li>Work scope/completion criteria: Perform waste retrieval activities to meet and/or exceed performance requirements in the HFFACO M-45-00 series milestones and the Tank Waste Retrieval Work Plan. The retrieval of 25% of initial SST waste by volume shall be based on an initial volume determine from the latest BBI information or a pre-retrieval volume determination if completed. The retrieved volume will be an estimate based on material balance calculations.</li> <li>Completion document: The submittal of material balance data and engineering calculations summary information demonstrating retrieval of 25% of the initial waste volume.</li> </ul>
<p>3. Retrieval of 50% of the waste by volume.</p> <ul style="list-style-type: none"> <li>Work scope/completion criteria: Perform waste retrieval activities to meet and/or exceed performance requirements in the HFFACO M-45-00 series milestones and the Tank Waste Retrieval Work Plan. The retrieval of 50% of initial SST waste by volume shall be based on an initial volume determine from the latest BBI information or a pre-retrieval volume determination if completed. The retrieved volume will be an estimate based on material balance calculations.</li> <li>Completion document: The submittal of material balance data and engineering calculations summary information demonstrating retrieval of 50% of the initial waste volume.</li> </ul>
<p>4. Retrieval of 75% of the waste by volume.</p> <ul style="list-style-type: none"> <li>Work scope/completion criteria: Perform waste retrieval activities to meet and/or exceed performance requirements in the HFFACO M-45-00 series milestones and the Tank Waste Retrieval Work Plan. The retrieval of 75% of initial SST waste by volume shall be based on an initial volume determine from the latest BBI information or a pre-retrieval volume determination if completed. The retrieved volume will be an estimate based on material balance calculations.</li> <li>Completion document: The submittal of material balance data and engineering calculations summary information demonstrating retrieval of 75% of the initial waste volume.</li> </ul>
<p>5. Completion of retrieval operations.</p> <ul style="list-style-type: none"> <li>Work scope/completion criteria: Complete waste retrieval to meet and/or exceed performance requirements in the HFFACO M-45-00 series milestones for residues and demonstration of the limit of the waste retrieval technology. If the limit of the waste retrieval technology is reached and the M-45-00 residual volume goal has not been achieved, then implementation of additional retrieval technologies is beyond the scope of this incentive.</li> <li>Completion document: Retrieval Report documenting the completion of retrieval</li> </ul>

operations.
<p>6. Complete Retrieval Data Report.</p> <ul style="list-style-type: none"> <li>Work scope/completion criteria: The limit of the waste retrieval technology is reached and the M-45-00 residual volume goal has been achieved. Perform residual characterization and volumetric measurements and prepare a Retrieval Data Report in accordance with HFFACO, Appendix I.</li> <li>Completion document: Retrieval Data Report in accordance with HFFACO, Appendix I.</li> </ul> <p>(Note: With ORP concurrence, an Appendix H exception may be issued in lieu of a Retrieval Data Report. In this case, fee allowed for the Retrieval Data Report would be provided for the Appendix H exception. This incentive is forfeited if the volume goal is not achieved and ORP does not concur with proceeding with an Appendix H exception.)</p>

- c. Completion of retrieval operations and demonstration that the TPA volume goal has been achieved for new start retrievals identified in milestones 2.a and/or 2.b utilizing HFFACO approved Data Quality Objectives.
- Work scope/completion criteria: Complete waste retrieval to meet and/or exceed performance requirements in the HFFACO M-45-00 series milestones for residues (specifically including the 360 cubic feet volume goal) and demonstration of the limit of the waste retrieval technology. The residual volume shall be determined using the HFFACO approved methodology. Physical samples shall be taken in accordance with the HFFACO sampling methodology, but the sample's analytical report and Retrieval Data Report are not within the work scope.
  - Completion document: Retrieval Report for 2.a and/or 2.b documenting the completion of retrieval operations meeting limit of technology and HFFACO volume goal, as measured by specified methodology. The Retrieval Report shall document the physical sampling of the residuals
3. Initiate Waste Retrievals from additional SSTs.

Milestones
<p>1. Completion of Construction and construction acceptance testing of the waste retrieval system approved Tank Waste Retrieval Work Plan.</p> <ul style="list-style-type: none"> <li>Work scope/completion criteria: Complete waste retrieval system construction and turnover to operations. Operations related OTP will be completed and OTRs will be approved by the Contractor. The Construction Completion Documents, Section IIb, "Completion of Exceptions," will be completed and approved by the Contractor, including Operations. References: 1) Tank Waste Retrieval Work Plan 2) Construction Completion and Turnover, TFC-PRJ-CM-C-08, Rev B, issued May 8, 2006.</li> <li>Completion Document: Contractor approved, including Operations, Construction Completion Document through Section IIb, "Completion of Exceptions" for the above listed work.</li> </ul>
<p>2. Retrieval of 25% of the waste by volume.</p> <ul style="list-style-type: none"> <li>Work scope/completion criteria: Perform waste retrieval activities to meet and/or</li> </ul>

<p>exceed performance requirements in the HFFACO M-45-00 series milestones and the Tank Waste Retrieval Work Plan. The retrieval of 25% of initial SST waste by volume shall be based on an initial volume determine from the latest BBI information or a pre-retrieval volume determination if completed. The retrieved volume will be an estimate based on material balance calculations.</p> <ul style="list-style-type: none"><li>• Completion document: The submittal of material balance data and engineering calculations summary information demonstrating retrieval of 25% of the initial waste volume.</li></ul>
<p>3. Retrieval of 50% of the waste by volume.</p> <ul style="list-style-type: none"><li>• Work scope/completion criteria: Perform waste retrieval activities to meet and/or exceed performance requirements in the HFFACO M-45-00 series milestones and the Tank Waste Retrieval Work Plan. The retrieval of 50% of initial SST waste by volume shall be based on an initial volume determine from the latest BBI information or a pre-retrieval volume determination if completed. The retrieved volume will be an estimate based on material balance calculations.</li><li>• Completion document: The submittal of material balance data and engineering calculations summary information demonstrating retrieval of 50% of the initial waste volume.</li></ul>
<p>4. Retrieval of 75% of the waste by volume.</p> <ul style="list-style-type: none"><li>• Work scope/completion criteria: Perform waste retrieval activities to meet and/or exceed performance requirements in the HFFACO M-45-00 series milestones and the Tank Waste Retrieval Work Plan. The retrieval of 75% of initial SST waste by volume shall be based on an initial volume determine from the latest BBI information or a pre-retrieval volume determination if completed. The retrieved volume will be an estimate based on material balance calculations.</li><li>• Completion document: The submittal of material balance data and engineering calculations summary information demonstrating retrieval of 75% of the initial waste volume.</li></ul>
<p>5. Completion of retrieval operations.</p> <ul style="list-style-type: none"><li>• Work scope/completion criteria: Complete waste retrieval to meet and/or exceed performance requirements in the HFFACO M-45-00 series milestones for residues and demonstration of the limit of the waste retrieval technology. If the limit of the waste retrieval technology is reached and the M-45-00 residual volume goal has not been achieved, then implementation of additional retrieval technologies is beyond the scope of this incentive.</li><li>• Completion document: Retrieval Report documenting the completion of retrieval operations.</li></ul>
<p>6. Complete Retrieval Data Report.</p> <ul style="list-style-type: none"><li>• Work scope/completion criteria: The limit of the waste retrieval technology is reached and the M-45-00 residual volume goal has been achieved. Perform residual characterization and volumetric measurements and prepare a Retrieval Date Report in accordance with HFFACO, Appendix I.</li></ul>

- Completion document: Retrieval Data Report in accordance with HFFACO, Appendix I.

(Note: With ORP concurrence, an Appendix H exception may be issued in lieu of a Retrieval Data Report. In this case, fee allowed for the Retrieval Data Report would be provided for the Appendix H exception. This incentive is forfeited if the volume goal is not achieved and ORP does not concur with proceeding with an Appendix H exception.)